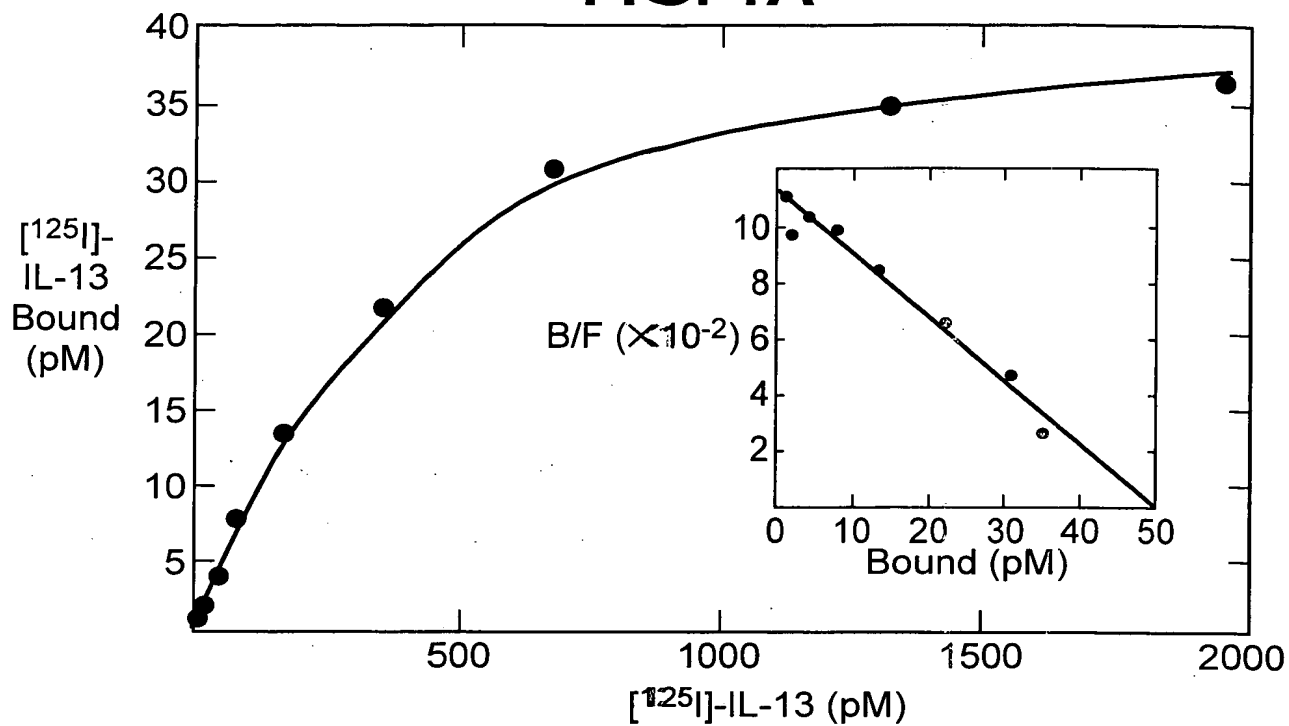
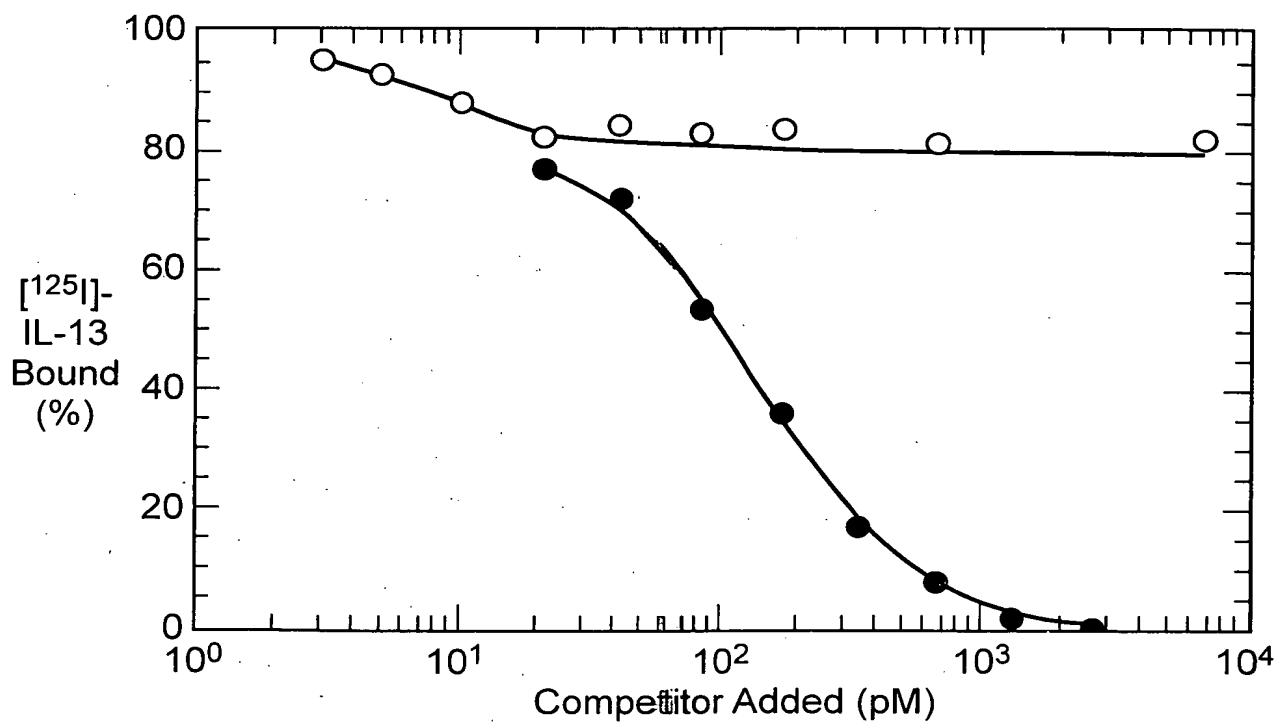


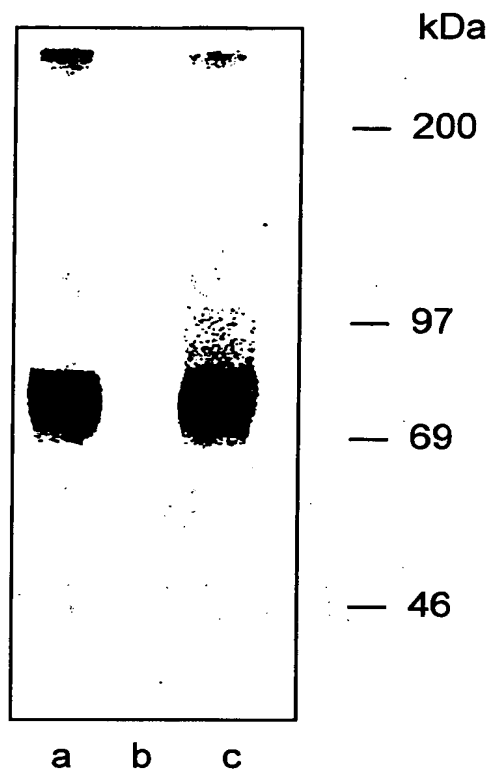
**FIG. 1A**



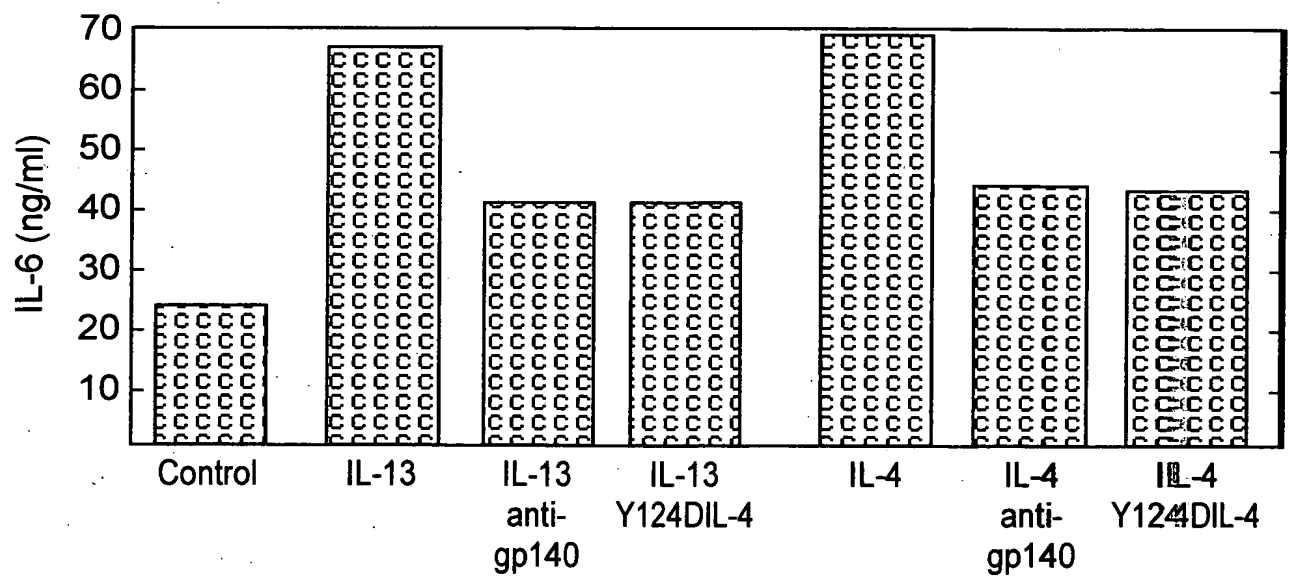
**FIG. 1B**



**FIG. 1C**



**FIG. 1D**



# FIG. 2A

1	GGTGCCCTGTCGGCGGGAGAGAGCAATATCAAGGTTTAAATCTCGGAGAAATGGCT	58
1	MetAla	2
59	TTCGTTTGGCTATCGGATGCTTATATACCTTTCTGTATAAGCACACATTTGGCTGT	118
3	PheValCysLeuAlaIleGlyCysLeuTyrThrPheLeuIleSerThrThrPheGlyCys	22
119	ACTTCATCTTCAGACACCGAGATAAAAGTTAACCTCCTCAGGATTTTGAGATAGTGGAT	178
23	ThrSerSerSerAspThrGluIleLysValAsnProProGlnAspPheGluIleValAsp	42
179	CCCGGATACTTAGGTTATCTCTATTGCAATGGCAACCCCACTGTCTCTGGATCATTTT	238
43	ProGlyTyrLeuGlyTyrLeuTyrLeuGlnTrpGlnProProLeuSerLeuAspHisPhe	62
239	AAGGAATGCACAGTGGAAATATGAACATAAATACCGAAACATTTGGTAGTGAAACATGGAAG	298
63	LysGluCysThrValGluTyrGluLeuLysTyrArgAsnIleGlySerGluThrTrpLys	82
299	ACCATCATTACTAAGAATCTACATTACAAAGATGGGTTTGATCTTAACAAGGCATTGAA	358
83	ThrIleIleThrLysAsnLeuHisTyrLysAspGlyPheAspLeuAsnLysGlyIleGlu	102
359	GCGAAGATACACACGCTTTTACCATGGCAATGCACAAATGGATCAGAAAGTTCAAAGTTCC	418
103	AlaLysIleHisThrLeuLeuProTrpGlnCysThrAsnGlySerGluValGlnSerSer	122
419	TGGGCAGAAACTACTTATTGGATATCACCACAAAGGAATTCACAGAACTAAAGTTCAGGAT	478
123	TrpAlaGluThrThrTyrTrpIleSerProGlnGlyIleProGluThrLysValGlnAsp	142
479	ATGGATTGCGGTATATTACAAATTGGCAATATTACTCTGTCTTGGAAACCTGGCATAGGT	538
143	MetAspCysValTyrTyrAsnTrpGlnTyrLeuLeuCysSerTrpLysProGlyIleGly	162
539	GTA	598
163	CTTCTTGATACCAATTACAACCTTGTTTACTGGTATGAGGGCTTGGATCATGCATTA	182
	ValLeuLeuAspThrAsnTyrAsnLeuPheTyrTrpTyrGluGlyLeuAspHisAlaLeu	
599	CAGTGTGTTGATTACATCAAGGCTGATGGACAAAATATAGGATGCAGATTTCCCTATTG	658
183	GlnCysValAspTyrIleLysAlaAspGlyGlnAsnIleGlyCysArgPheProTyrLeu	202

## FIG. 2B

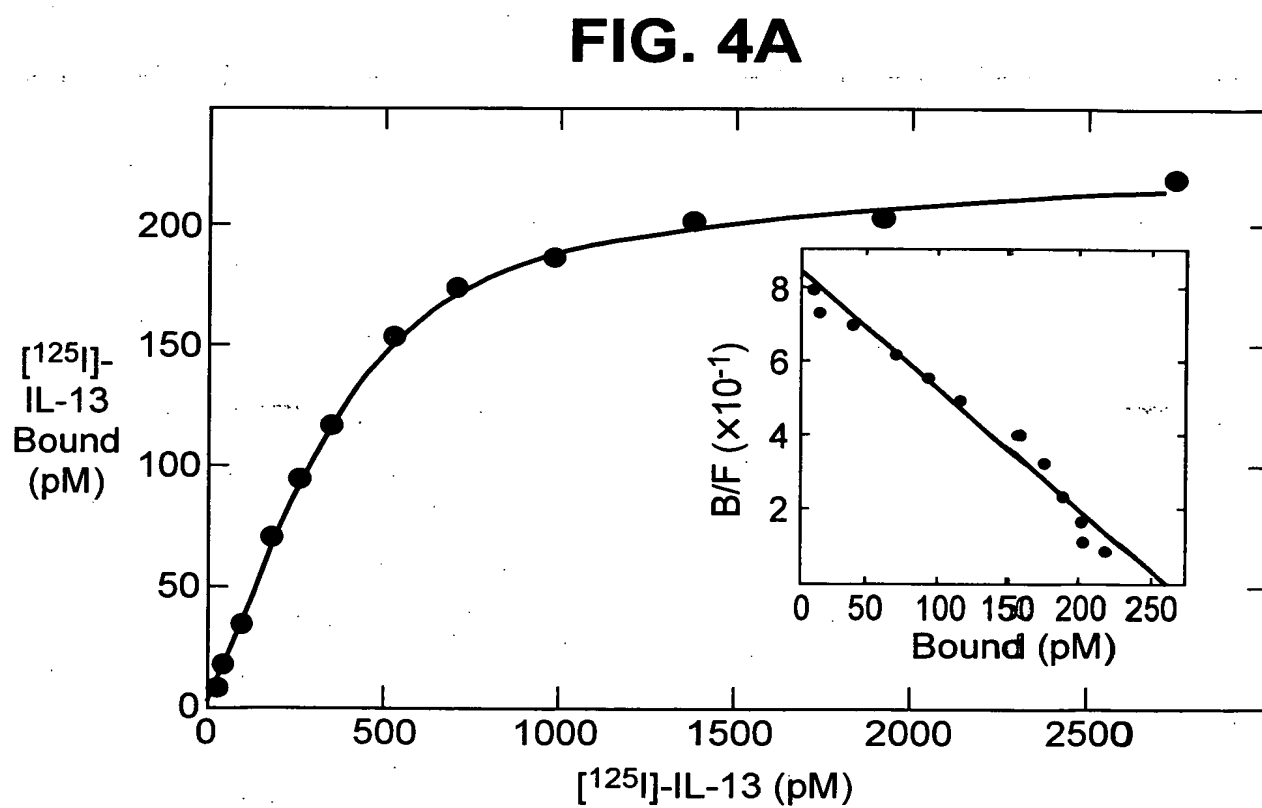
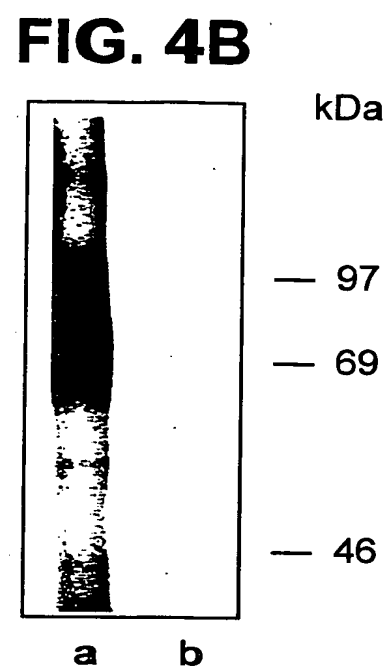
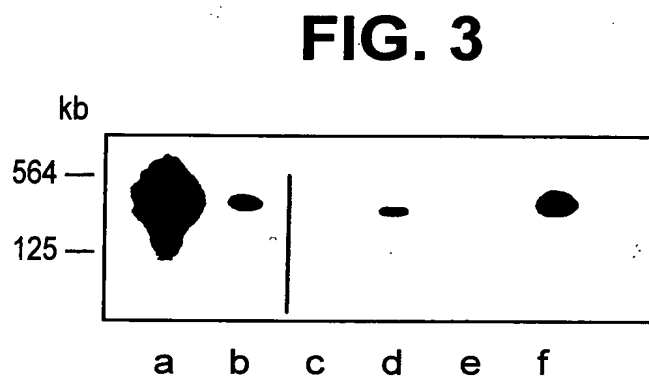
659	GAGGCATCAGACTATAAAGATTTCTATATATTGTGTTAATGGATCATCAGAGAACAAAGCCT	718
203	GluAlaSerAspTyrLysAspPheTyrIleCysValAsnGlySerSerGluAsnLysPro	222
719	ATCAGATCCAGTTATTTCACCTTTTCAGCTTCAAAATATAGTTAAACCTTTGCCGCCAGTC	778
223	IleArgSerSerTyrPheThrPheGlnLeuGlnAsnIleValLysProLeuProProVal	242
779	TATCTTACTTTTACTCGGGAGAGTTCATGTGAAATTAAAGCTGAAATGGAGCATACCTTTTG	838
243	TyrLeuThrPheThrArgGluSerSerCysGluIleLysLeuLysTrpSerIleProLeu	262
839	GGACCTATTCCAGCAAGGTGTTTGATTATGAAATTGAGATCAGAGAAAGATGATACTACC	898
263	GlyProIleProAlaArgCysPheAspTyrGluIleGluIleArgGluAspAspThrThr	282
899	TTGGTGACTGCTACAGTTGAAAAATGAAACATACACCTTGAAACAAACAATGAAACCCGA	958
283	LeuValThrAlaThrValGluAsnGluThrThrThrLeuLysThrThrAsnGluThrArg	302
959	CAATTATGCTTTGTAGTAAGCAAGCAAGTGAATATTTATTGCTCAGATGACGGAATTTGG	1018
303	GlnLeuCysPheValValArgSerLysValAsnIleTyrCysSerAspAspGlyIleTrp	322
1019	AGTGAGTGGAGTGATAAACAAATGCTGGGAAGGTGAAGACCTATCGAAGAAACTTTTGCTA	1078
323	SerGluTrpSerAspLysGlnCysTrpGluGlyGluAspLeuSerLysLysThrLeuLeu	342
1079	CGTTTCTGGCTACCATTTTGGTTTCATCTTAATAATTAGTTATATTGTAACCGGCTGCTT	1138
343	Arg <b>PheTrpLeuProPheGlyPheIleLeuIleLeuValIlePheValThrGlyLeuLeu</b>	362
1139	TTGCGTAAGCCAAACACCTACCCAAAAATGATTCAGAAATTTTCTGTGATACATGAAGA	1198
363	<b>Leu</b> ArgLysProAsnThrTyrProLysMetIleProGluPhePheCysAspThr	380
1199	CTTTCCATATCAAGAGACATGGTATTGACTCAACAGTTTCCAGTCATGGCCAAATGTTCA	1258
1259	ATATGAGTCTCAATAAACTGAATTTTCTTCTGCGAATGTG	1298

# FIG. 2C

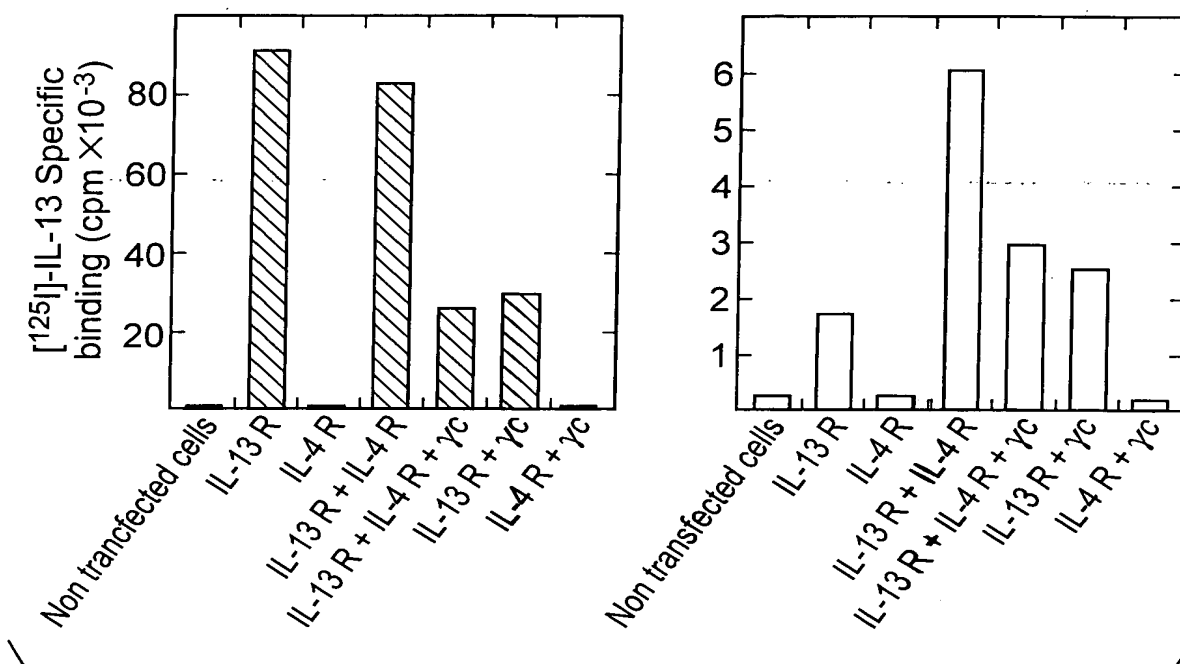
IL13R	MAFVCLAIGCLYTFELISTFGCTSSSDTEIKVNPPQDFFIIVDPGYLG <sup>•</sup> LY	50
IL5R	..MIIVAHVLLILLGATEILQADLLPDEKISLLPPVNF <sup>•</sup> TIKVTG.LAQVL	47
IL13R	LQWQPPLSLDHFKECTVEYELKYRNIGSETWK <sup>•</sup> TIITKNLHYKDGFDLNKG	100
IL5R	LQWKPNPDQEQ.RNVNLEYQVKINAPKEDDYE <sup>•</sup> TRITES...KCVTILHKG	93
IL13R	IEAKIH <sup>•</sup> TLLPWQCTNGSEVQSSWAETTYWISPQGI <sup>•</sup> PETKVQDMDCV....	146
IL5R	FSASVRTILQ...NDHSL <sup>•</sup> LASSWASAE.LHAPPGSPGTSIVNLTCTTNTT	139
IL13R	..YYN <sup>•</sup> WQ.....YL <sup>•</sup> CSWKPGIGVIL <sup>•</sup> LD <sup>•</sup> TN <sup>•</sup> YN <sup>•</sup> LF <sup>•</sup> W <sup>•</sup> YEG <sup>•</sup> LD <sup>•</sup> HAL <sup>•</sup> Q <sup>•</sup> CV <sup>•</sup> DY <sup>•</sup> IK	189
IL5R	EDNYSRLRSYQVSLHCTWLVGTDAPEDTQYFLYRYGS <sup>•</sup> WTE..ECQEYSK	187
IL13R	AD.GQNI <sup>•</sup> GCRFP..YLEASDYKDFYICVNGSSSENKPIRSSY <sup>•</sup> TFQ <sup>•</sup> LQ <sup>•</sup> NIV	236
IL5R	DTLGRN <sup>•</sup> LAQWFPR <sup>•</sup> TFILSKGRDWLSVLVNGSSSKHSAIR <sup>•</sup> PF <sup>•</sup> DQLFALHAID	237

# FIG. 2D

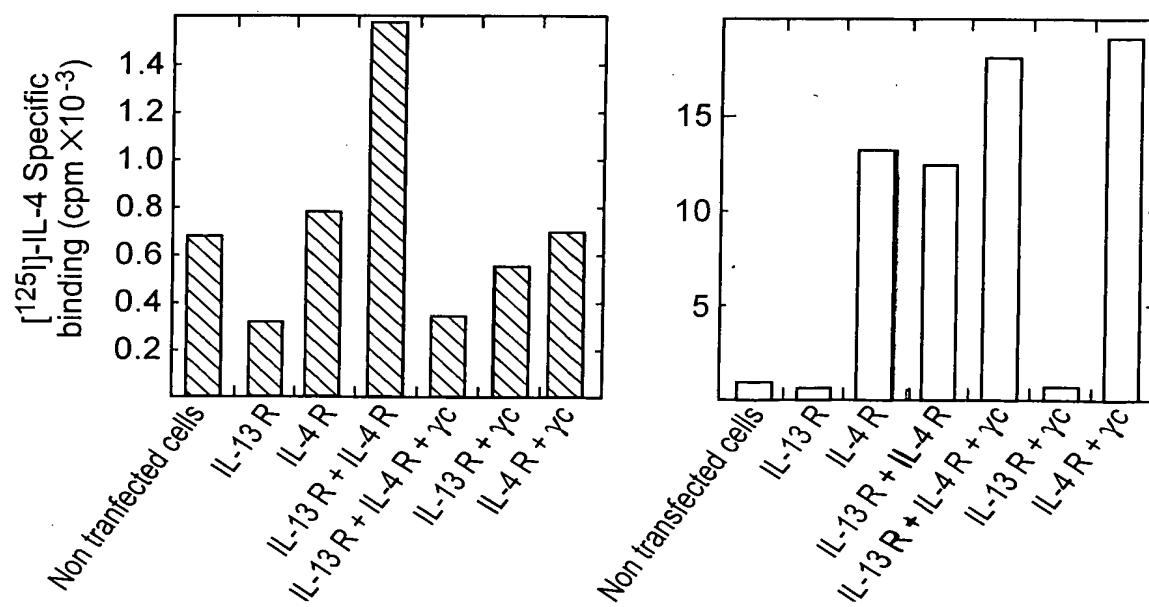
IL13R	KPLPPVYLTFRESSCEIKLWSIPLGPIPARCFDYEIEIREDDTTLVTA	286
IL5R	QINPPLNVTAEIEGT.RLSIQWEKPVSAFPIHCFDYEVKIHNTRNGYLQI	286
IL13R	TVENETYTLKTTNETRQLCFVVRSKVNIYCDDGIWSEWSDKQCWEGEDL	336
IL5R	EKLMTNAFISIIDDLISKYDVQVRAAVSSMCREAGLWSEWSQ.PIYVGNDL	335
IL13R	SKKTLRFWLPFGFILILVIFVTGLLLRKPNTYPKMIP.....EF	376
IL5R	HKPLREWFVIVIMATICFILLILSLICKICHLWIKLFPPIAPAPKSNIKDL	385
IL13R	FCDT.....	380
IL5R	FVTNYESKAGSSEIEVICYIEKPGVETLEDVSF	420



**FIG. 4C**

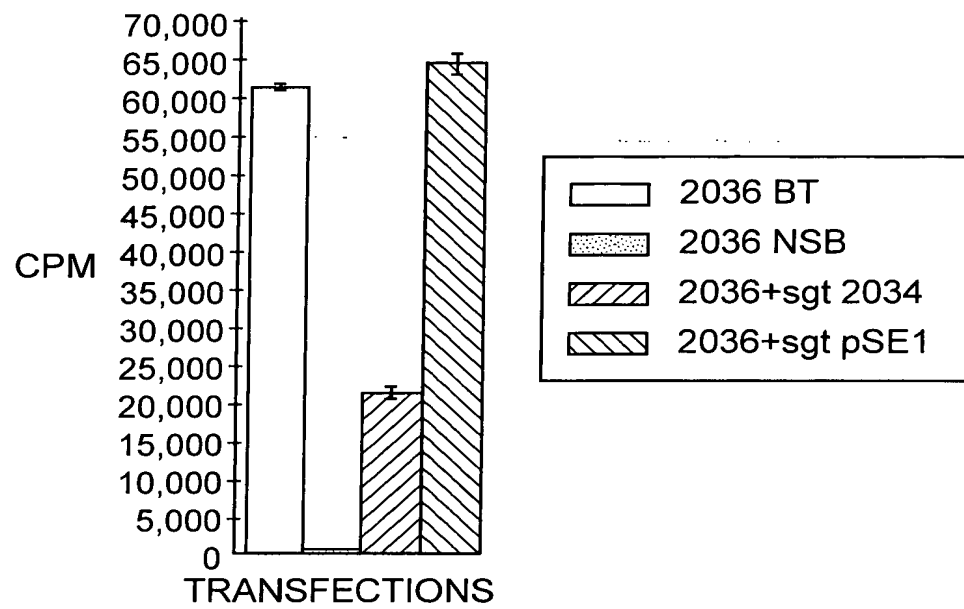


**FIG. 4D**

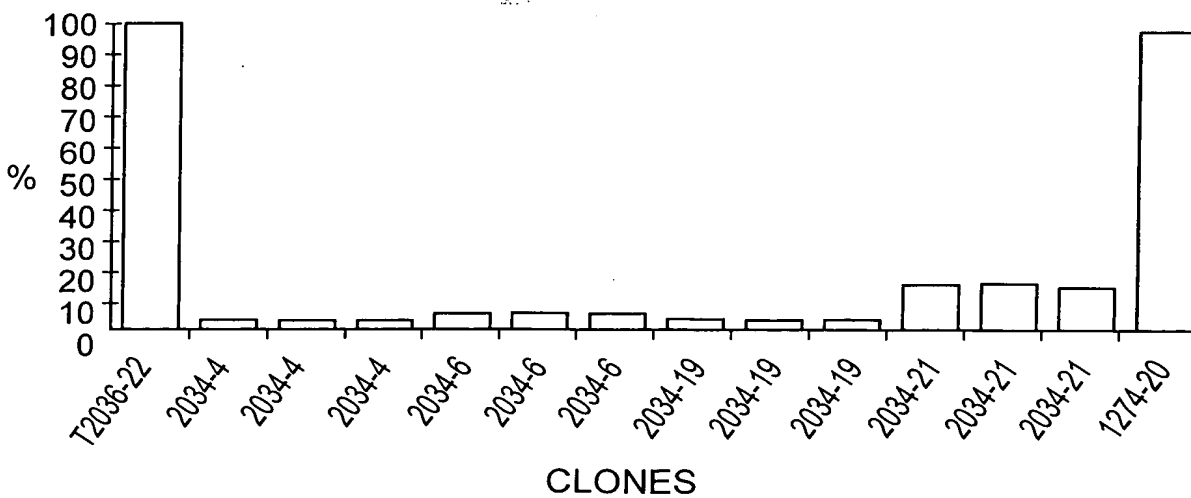




**FIG. 5**



**FIG. 6**

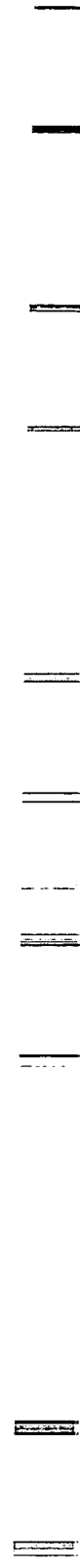


$$+$$
[illegible]

FIG. 7B

61	GCAGGAAAAATTAAACCATCCTTCAATATAGTGCCTTTAACTTCCCGTGTGAAACCTGAT	720
10	A G K I K P S F N I V P L T S R V K P D	229
21	CCTCCACATATTA AAAACCTCTCCTTCCACAATGATGACCTATATGTGCAATGGGAGAAAT	780
30	P P H I K <u>N L S E</u> H N D D L Y V Q W E N	249
81	CCACAGAAATTTATTAGCAGATGCCCTATTTTATGAAGTAGAAGTCAATAACAGCCAAACT	840
50	P Q N F I S R C L F Y E V E V <u>N N S Q</u> T	269
41	GAGACACATAATGTTTCTACGTCCAAGAGGCTAAATGTGAGAAATCCAGAAATTTGAGAGA	900
70	E T H N V F Y V Q E A K C E N P E F E R	289
01	AATGTGGAGAAATACATCTTGTTCATGGTCCCTGGTGTCTTCTCTGATACTTTGAAACACA	960
90	N V E <u>N T S C</u> F M V P G V L P D T L N T	309
61	GTCAGAAATAAGAGTCAAAA <del>CAAA</del> TAAGTTATGCTATGAGGATGACAAACTCTGGAGTAAT	1020
10	V R I R V K T N K L C Y E D D K L W S <u>N</u>	329
21	TGGAGCCAAGAAATGAGTATAGGTAAGAAGCGCAATTCCACACTCTACATAACCATGTTA	1080
30	<u>W S Q</u> E M S I G K K R <u>N S T L</u> Y I T M L	349
81	CTCATTTGTTCCAGTCATCGTCGAGGTGCAATCATAGTACTCCTGCTTTACCTAAAAAGG	1140
50	<u>L I V P V I V A G A I I V L L Y L K R</u>	369
41	CTCAAGATTATTATTCCTCCAATTCCCTGATCCTGGCAAGATTTTTAAAGAAATGTTT	1200
70	L K I I I F P P I P D P G K I F K E M F	389
01	GGAGACCAGAATGATGATACTCTGCACCTGGAAGAAGTACGACATCTATGAGAAGCAAACC	1260
90	G D Q N D D T L H W K K Y D I Y E K Q T	409
61	AAGGAGGAAACCGACTCTGTAGTGTGATAGAAAACCTGAAGAAAGCCTCTCAGTGATGG	1320
10	K E E T D S V V L I E N L K K A S Q *	429

+



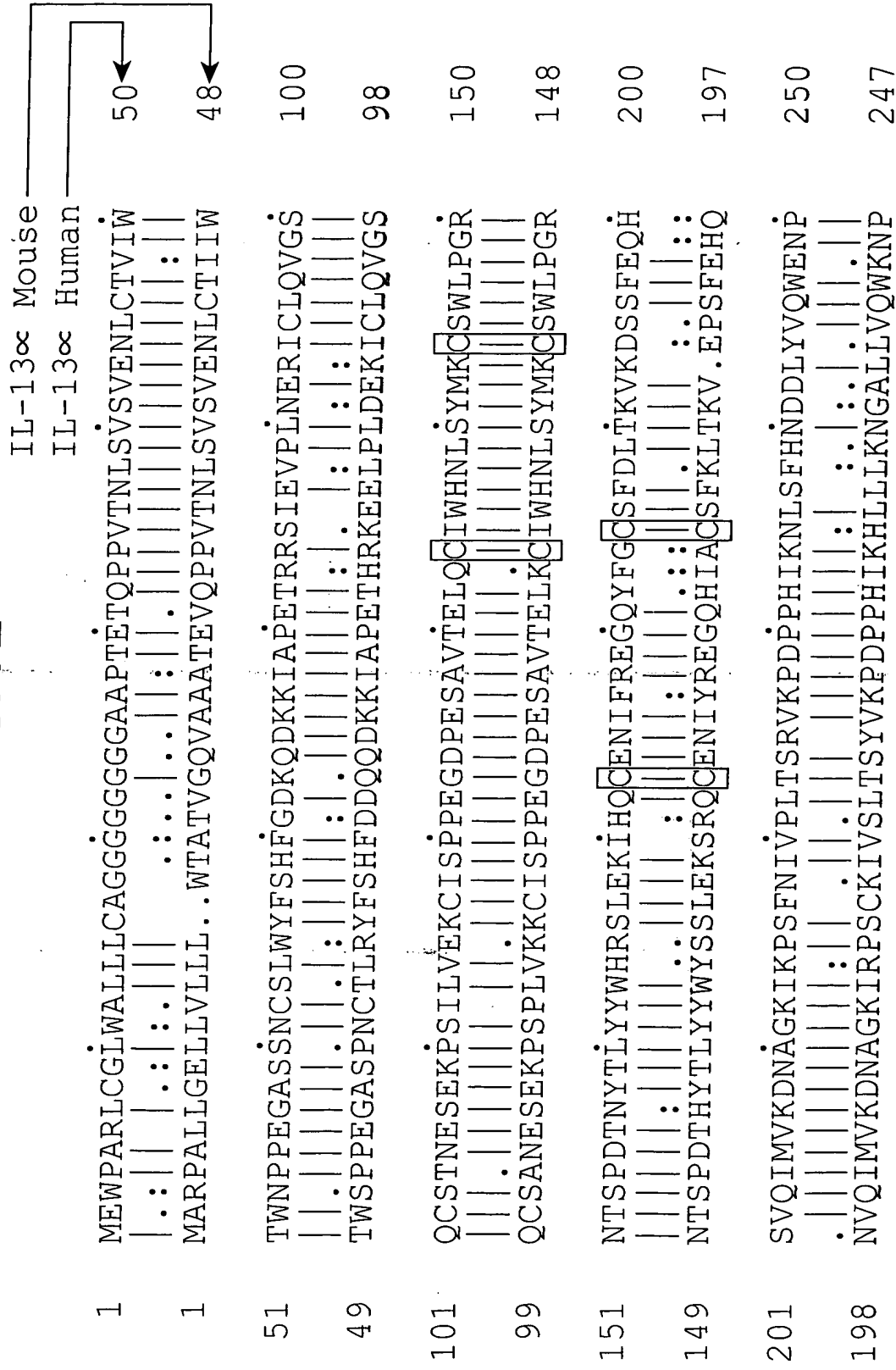
# FIG. 7C

81	TATCTGGAACTTATTAATGGAACTGAAACTACTGCACCATTTAAAAACAGGCAGCTC	1440
41	ATAAGAGCCACAGGTCCTTTATGTTGAGTCGCGCACCGAAAAACTAAAAATAATGGGCGCT	1500
01	TTGGAGAAGAGTGTGGAGTCATTCTCATTTGAATTATAAAAGCCAGCAGGCTTCAAACCTAG	1560
61	GGGACAAAGCAAAAGTGATAGTGGTGGAGTTAATCTTATCAAGAGTTGTGACAACT	1620
21	TCCTGAGGGATCTATACTTGTGTTCTTTGTGTCAACATGAACAAATTTTATTGT	1680
81	AGGGAACTCATTTGGGTGCAAAATGCTAATGTCAAACCTTGAGTCACAAAGAACATGTAG	1740
41	AAACAAAAATGGATAAAATCTGATATGTATTGTTGGGATCCCTATTGAACCATGTTTGTG	1800
01	GCTATTAAAACTCTTTAACAGTCTGGGCTGGGTCCGGTGGCTCACGCCCTGTAATCCCAG	1860
61	CAATTTGGGAGTCCGAGGCGGATCACTCGAGGTCAGGAGTTCAGACCCAGCCTGAC	1920
21	CAAAATGGTGAACCTCCTCTACTAAAACTACAAAAATTAACTGGGTGTGTGGCGCG	1980
81	TGCCCTGTAATCCCAGCTACTCGGAAGCTGAGGCAGGTGAATTGTTTGAACCTGGGAGGT	2040
41	GGAGGTTGCAGTGAGCAGAGATCACACCCTGCACTCTAGCCTGGGTGACAGAGCAAGAC	2100
01	TCTGTCTAAAAACAACAAAAACAACAAAAACCTCTTAATATTCTGGAGT	2160
61	CATCATTCCTTCGACAGCATTTTCCCTCTGCTTTGAAAGCCCCAGAAATCAGTGTGGCC	2220
21	ATGATGACAACTACAGAAAAACAGAGGCAGCTTCTTTGCCAAGACCTTTCAAAGCCATT	2280
81	TTAGGCTGTTAGGGCAGTGGAGGTAGAAATGACTCCTTGGGTATTAGAGTTTCAACCATG	2340
41	AAGTCTCTAACAAATGTTTCTTCACTCTGCTACTCAAGTAGCATTTACTGTCTTT	2400
01	GGTTTGTGCTAGGCCCCGGGTGTGAAGCACAGACCCCTTCCAGGGGTTTACAGTCTATT	2460
61	TGAGACTCCTCAGTCTTGCCACTTTTCTTTTAAATCTCCACCAGTCATTTTTCAGACCT	2520
21	TTTAACTCCTCAATTCCAACACTGATTTCCCGTTTTCGATTTCTCCCTTCCCTTCCCTT	2580
81	GTAGCCCTTTTGACTTTTCATTTGGAAATTAGGATGTAAATCTGCTCAGGAGACCTGGAGGAG	2640
41	CAGAGGATAATTAGCATCTCAGGTTAAGTGTGAGTAATCTGAGAAACAATGACTAATTCT	2700
01	TGCATATTTGTAACTTCCATGTGAGGGTTTTCAGCATTTGATATTTTGTGCATTTTCTAAA	2760

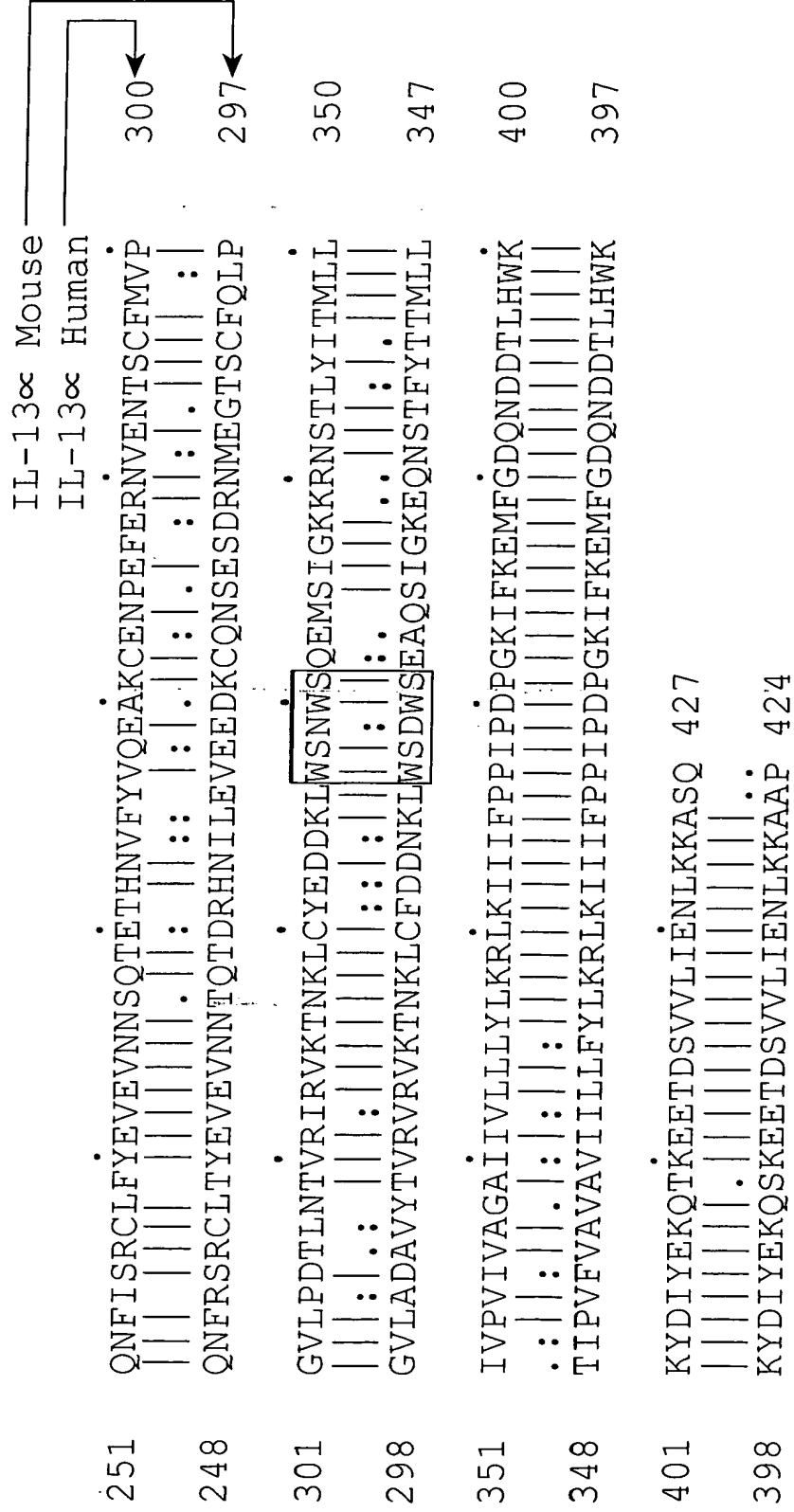
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FIG. 7D

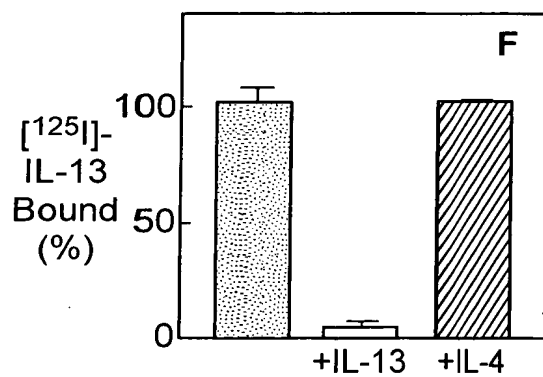
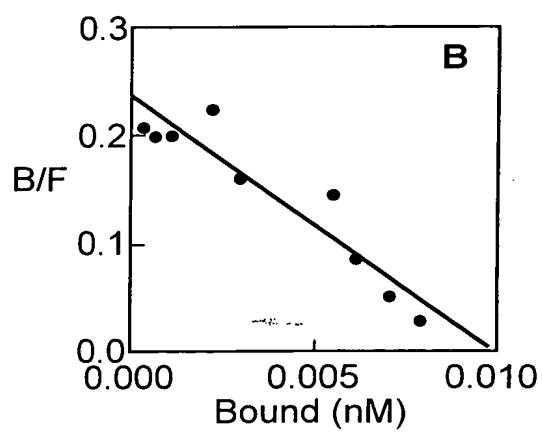
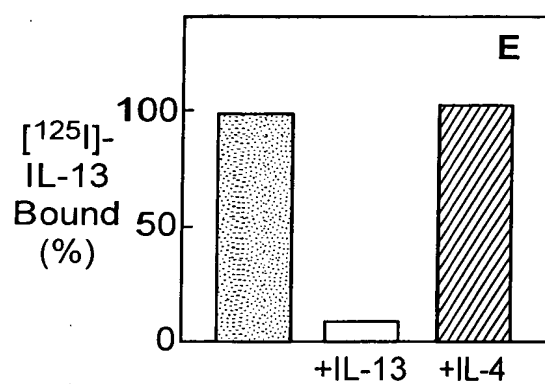
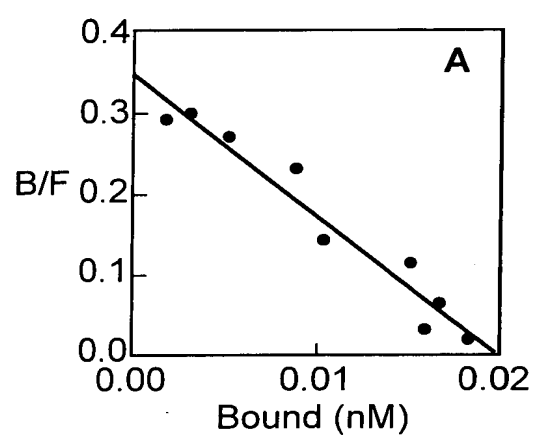
61 CAGAGATGAGGTGGTATCTTCACGTAGAACATTGGTATTGCTTGACAAAAAAGAAATAG 2820  
21 TTGAACCTATTCTCTTTCTTTACAAGATGGTCCAGGATTCCTCTTTTCTCTGCCATAA 2880  
81 ATGATTAAATTAAATAGCTTTTGTGCTTTACATTGGTAGCCAGCCAGCAAGGCTCTGTTT 2940  
41 ATGCTTTTGGGGGCATATATTGGGTTCCATTCTCACCTATCCACACAACATATCCGTAT 3000  
01 ATATCCCCCTACTCTTACTTCCCCCAAATTTAAAGAAGTATGGGAAATGAGAGGCATTT 3060  
61 CCCCCACCCCATTTCTCTCCTCACACACAGACTCATATTACTGTAGGAACCTTGAGAACT 3120  
21 TTATTTCCAAGTTGTTCAAACATTTACCAATCATATTAAATACAATGATGCTATTTGCAAT 3180  
81 TCCTGCTCCTAGGGAGGGAGATAAGAAACCCCTCACTCTCTACAGGTTTGGGTACAAGT 3240  
41 GGCAACCTGCTTCCATGGCCGTGTAGAAAGCATGGTGCCCTGGCTTCTCTGAGGAAGCTGG 3300  
01 GGTTCATGACAAATGGCAGATGTAAAGTTATTCTTGAAGTCAGATTGAGGCTGGGAGACAG 3360  
61 CCGTAGTAGATGTTCTACTTTTGTCTGCTGTTCTCTAGAAAGAATAATTGGTTTTCCTGT 3420  
21 ATAGGAATGAGATTAAATTCCTTTCCAGGTAATTTTATAATTCTGGAAGCAAAACCCATGC 3480  
81 CTCCCCCTAGCCATTTTACTGTATCCCTATTTAGATGGCCATGAAGAGGATGCTGTGAA 3540  
41 ATTCCCAACAACATTTGATGCTGACAGTCATGCAGTCTGGAGTGGGAAAGTGATCTTTT 3600  
01 GTTCCCATCCTCTTCTTTAGCAGTAAATAGCTGAGGGAAGGAGGAAAGGAAGT 3660  
61 TATGGGAATACCTGTGTGTTGTGATCCCTAGGCTCTTGGAGCTCTTGGAGGTGCTGT 3720  
21 ATCAGTGGATTTCCTATCCCTGTGGGAAATTAGTAGGCTCATTTACTGTTTAGGTCTA 3780  
81 GCCTATGTGGATTTTTCCTAACATACCTAAGCAAAACCCAGTGTCAAGATGGTAATTCCT 3840  
41 ATTCTTTCGTTTCAGTTAAGTTTTCCTTTCATCTGGGCACCTGAAGGATATGTGAACAA 3900  
01 TGTAAACATTTTGGTAGTCTTCAACCAGGATTGTTTCTGTTTAACTTCTTATAGGAAA 3960  
61 GCTTGAGTAAAAATAATATGTCCTTTTGTATGTCACCCaaaaaaa 4009



# FIG. 7F

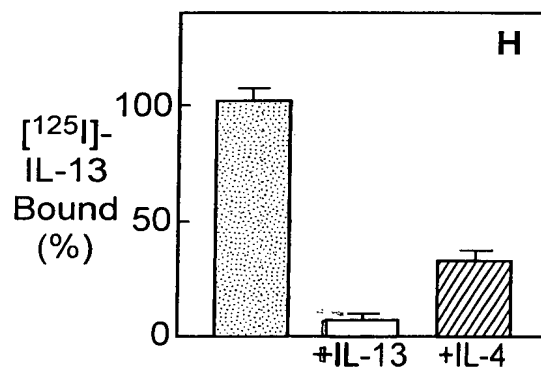
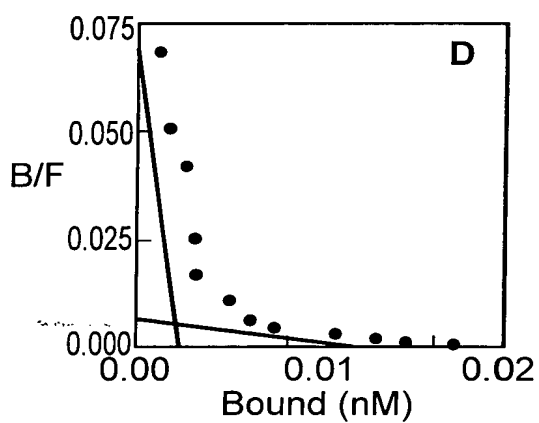
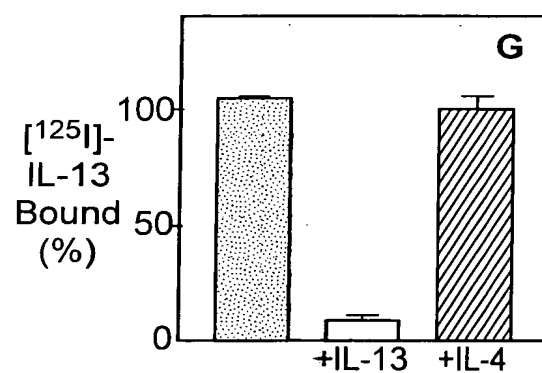
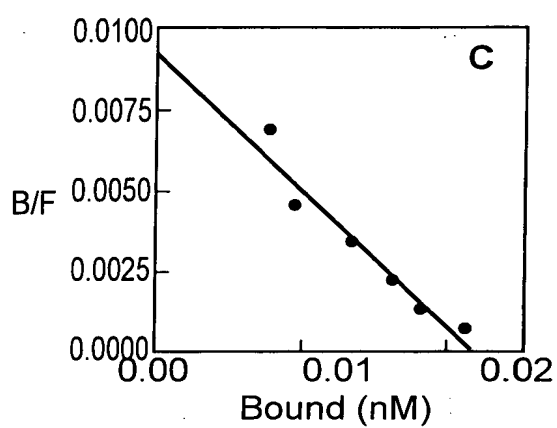


**FIG. 8A**





**FIG. 8B**





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